



# Digger/Derrick Annual Inspection

In Accordance with ANSI A10.31

Immediate Repair Required (\_\_\_\_ Yes, \_\_\_\_ No)

**Owner/User is responsible to have repairs performed before use.**

All other items marked can be addressed at the next maintenance interval

Shop Order \_\_\_\_\_ Test Date \_\_\_\_\_

Customer \_\_\_\_\_

Location \_\_\_\_\_

Inspector \_\_\_\_\_ Inspector Number \_\_\_\_\_

## Chassis and Unit Information

Chassis Year \_\_\_\_\_ Chassis Model \_\_\_\_\_

VIN Number \_\_\_\_\_

License \_\_\_\_\_

Odometer \_\_\_\_\_ Eng. HR/Meter \_\_\_\_\_

Unit Manufacturer \_\_\_\_\_

Model Number \_\_\_\_\_

Serial Number \_\_\_\_\_

Unit Number \_\_\_\_\_ PTO HR/Meter \_\_\_\_\_

**Digger Derrick Annual Inspection**

**Unit Number** \_\_\_\_\_

Symbols: P = OK    N/A = Not Applicable    A = Adjusted/Repaired  
 X = See corresponding number on summary page

<b>A. Chassis / Body</b>	<b>Status</b>
<b>1. Cab Controls</b>	
Master Switch Panel	
Strobe Lights / Beacons	
PTO Shift Control (cable, air, electric)	
PTO Indicator Light	
PTO Warning Label Present	
Stowed Height Placard	
Start / Stop, Throttle Controls	
Auxiliary Brake Control	
Back Up Alarm	
Operators Manual With Truck	
<b>2. Body / Flatbed</b>	
Headlights, Stop, Tail, Turn, Hazard	
Fire Extinguisher	
Wheel Chocks	
Outrigger Pads	
Unit Grounding Equipment	
Cab Guard / Headache Rack	
Steps / Accessibility	
All Safety Decals & Level Indicators - Legible and Proper Location	
Hand Signal Chart	
<b>B. Digger / Derrick Unit</b>	
<b>1. Basic Hydraulic System</b>	
Reservoir - Breather Cap	
Filters	
Amount and Condition of Oil	
Gate Valves, Hoses, and Fittings	
<b>2. PTO / Pump</b>	
PTO / Pump Mounting	
PTO / Pump Noises and Leaks	
PTO / Pump Hoses and Fittings	
All Pressures (SYS, D/W, HOP)	

<b>3. Outrigger System</b>	<b>Status</b>
Welds, Metal Structure, and Mounting	
Anchor Bolts	
Hydraulic Cylinders - Leaks	
Cylinder Pins and Keepers	
Foot Assembly and Pins	
Holding Valves / Locks (Drift Test)	
Hose Condition, Routing Under Chassis	
Control Valves	
Boom Interlock System-Jan. 2005 On	
Outrigger Motion Alarm-Feb. 2000 On	
Relief Valve Setting	
Chassis Level Indicator-Both Directions	
Chassis Tire Pressures	
<b>4. Pedestal</b>	
Welds - Metal Structure and Mounting	
Collector Block - Mounting Bolts,	
Hoses / Fittings	
Pedestal Valves and Controls.	
Leaks in Pedestal Area	
Rotation Bearing and Fasteners	
<b>5. Controls - Lower, Command Post, Handle Rack, Upper</b>	
Operation Of All Controls, Leaks	
Control Labels - Hand Signal Chart	
Throttle Control - Hoses, Fittings, Reservoir	
Electrical Components	
Air Cylinders, Hoses, Fittings	
Engine High RPM	
Boom Angle Placard & Indicator	
Boom Load Chart	
Audible Warning Device	
Emergency Stop - June 2006 On	
Digger and Pole Guide Disable with Upper Controls - ANSI A10.31-2006	

Inspector Initials \_\_\_\_\_

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<b>6. Turntable</b>	<b>Status</b>
Welds - Metal Structure	
Rotation Bearing and Fasteners	
Rotation Gearbox and Motor	
Lift Cylinder Pin Boss Area	
<b>7. Lift Cylinders</b>	
Cylinder Rods	
Cylinder Seals	
Holding Valves - Load Test	
Welds	
Pins and Bushings	
<b>8. Main Boom Assembly</b>	
Welds and Pivot Pins	
Metal Structure Condition	
Boom Fittings, Bolts, Sheaves	
Fiberglass Boom Condition	
Jib and Jib Attachments	
<b>9. Boom Extension System</b>	
Cylinder Rods	
Cylinder Seals	
Cylinder Holding Valves	
Cylinder Pins and Bushings	
Rollers and Wear Pads	
Hoses, Hose Carriers, Slide Tubes	
Cables	
Sheaves, Pins, Bushings	
Pole Guides	
Pole Guide Cylinder	
Pole Guide Tilt Cylinder	
<b>10. Platform</b>	
Bucket Condition	
Bucket Liner	
Mounting Hardware	
Bucket Cover	
Bucket Leveling, Brake Assembly	

<b>10. Platform - (cont.)</b>	<b>Status</b>
Lanyard Anchor Point	
Safety Harness and Lanyard	
Non - Skid Bucket Step	
<b>11. Digger / Auger</b>	
Digger Hoses, Fittings	
Stow Cable / Strap / Rope	
Over Stow Protection Valve	
Digger / Auger Mounting	
Latch Assembly	
Digger Gearbox - Oil Level	
Auger, Teeth, Pilot	
<b>12. Boom Winch</b>	
Mounting	
Load Line	
Hook, Safety Latch	
Hydraulic Motor - Leaks, Noise	
Brake - Operation	
Hoses, Fittings	
<b>C. General</b>	
<b>1. Auxiliary Winch</b>	
Cable / Line	
Hook, Safety Latch	
Motor - Electric, Hydraulic	
Controls - Cord, Hoses, Fittings	
Mounting Bolts	
<b>2. Hydraulic Tools</b>	
Impact, Tamper, Saws	
Tool Hoses, Fittings	
Pole Puller, Base, Chain	
Tool Hose Reel, Hoses, Quik Couplers	
<b>3. General Lubrication</b>	
Boom Extension Parts	
Control Linkages	
Rotation Bearing	
Hinge Points	
Gearboxes	

Inspector Initials \_\_\_\_\_



Model / Serial# \_\_\_\_\_

## Summary Page

Unit Number \_\_\_\_\_

Number	R/C/I	Description

**Legend:**

- (R) Repair required, Inspection Decal will be placed on the unit and marked as Immediate Repairs Required. Once repairs have been completed, the Owner/User shall date and sign the Decal before returning to service.
- (C) Check and repair as necessary on scheduled routine maintenance. Inspection decal will be placed on the unit.
- (I) For Information only, no corrective action required at this time. Inspection decal will be placed on the unit.

**Note:**

- Owner/User is responsible to have repairs performed before use.
- Manufacturer’s recommendations as to frequent and/or periodic inspection and maintenance schedules must be followed for safe operation of this unit.
- If the work performed falls under OSHA 1926 subpart CC Construction Standard
  - Effective 11/8/2010: level indicators, a hand signal chart, and an audible warning device are required to be on all units, regardless of when they were built
  - Effective 11/8/2011: anti two-block and load moment limiters (HOP) are required on all units built on or after 11/8/2011
- Immediate Repairs Required ( \_\_\_\_\_ Yes \_\_\_\_\_ No)
- Customer declined torque check of critical fasteners ( \_\_\_\_\_ Yes \_\_\_\_\_ No). If checked, work order # \_\_\_\_\_
- Do not consider this a pre-purchase inspection

Customer Signature \_\_\_\_\_ Print Name \_\_\_\_\_

Inspector Signature \_\_\_\_\_ Date \_\_\_\_\_